ClearOne WS800 Digital Wireless Microphone System
Editing Transmitter Parameters

The easiest and most intuitive way to set the parameters controlling ClearOne transmitters and receivers is with ClearOne Remote software. Load ClearOne Remote onto a computer running Windows XP or Windows 7 (32 or 64-bit) and connect to the receiver via USB, RS323. Then open ClearOne Remote and select ONLINE.

Open The Channel Edit Window: 1) The [Click to Edit] function opens the edit window of the channel you wish to edit. **2)** Select the functions you want to edit and enter the parameter from the drop-down list. The various functions are described in detail below. Click [OK] to close the Channel Edit window. **3)** You will notice that the [Needs to Sync] alert is lit. This indicates that one or more parameters are in queue in the receiver ready to be downloaded and implemented with the next Sync of the channel.

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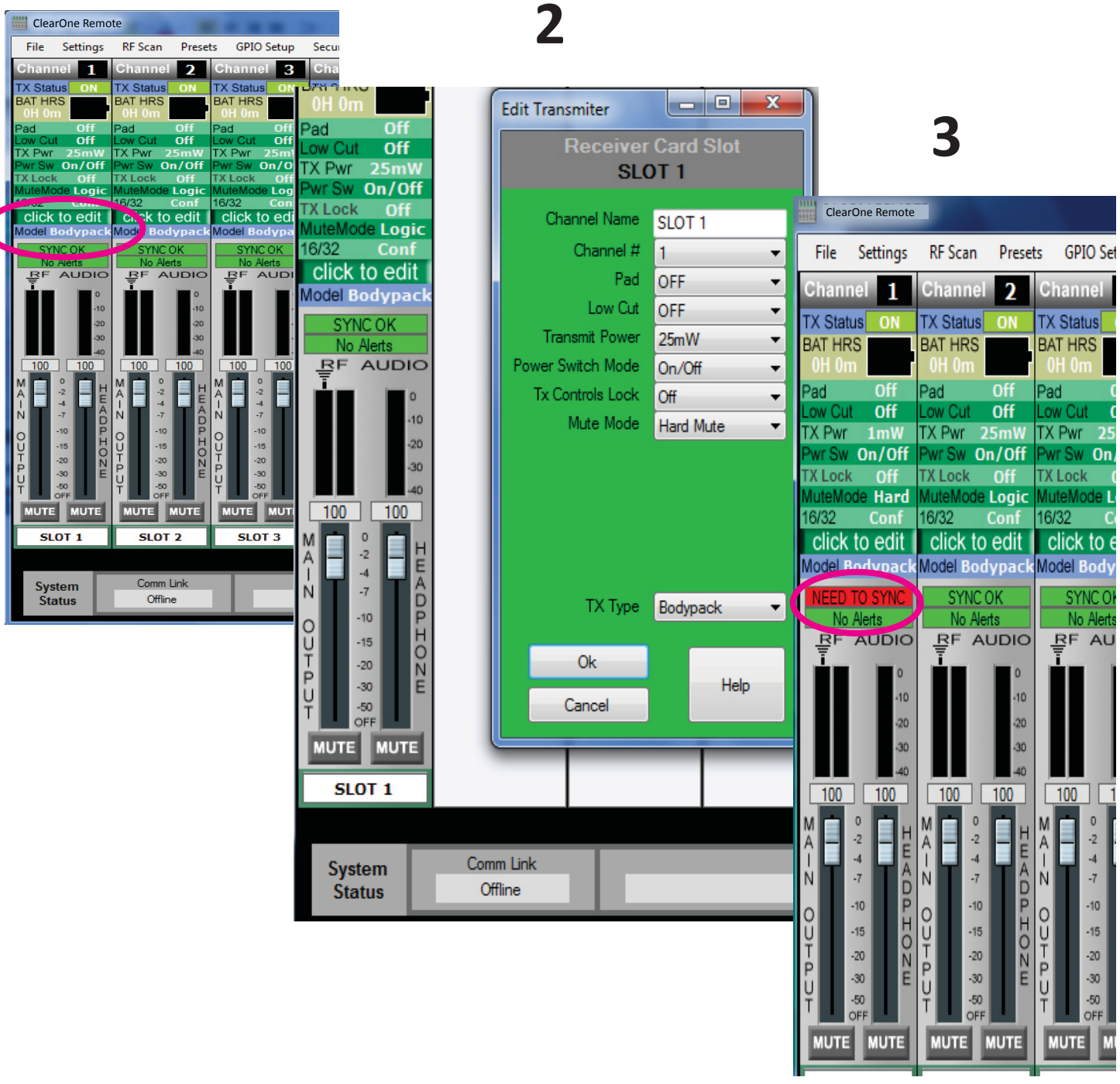
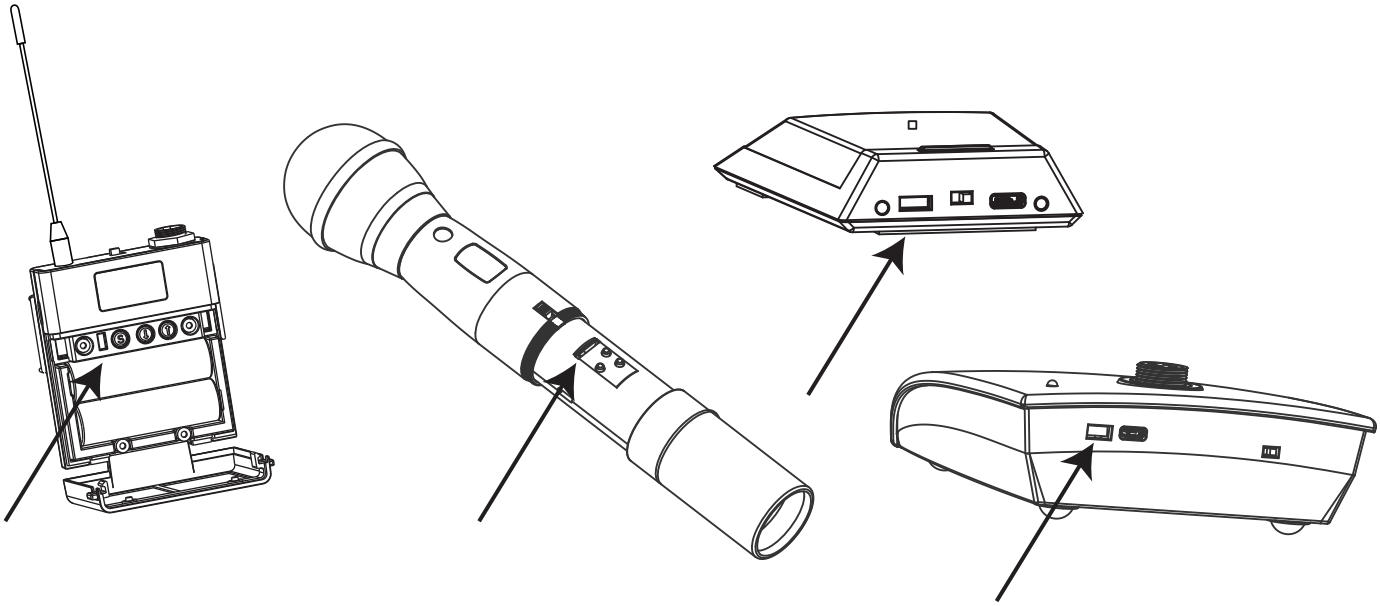
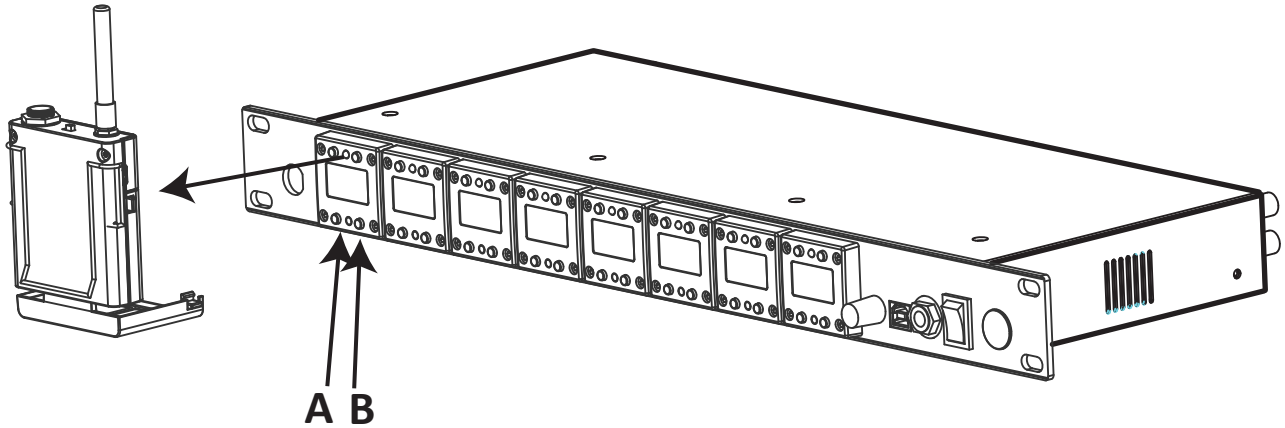


Sync'ing Transmitters With Receivers

1. Locate the IR (infra-red) sensor on the transmitter



2. Hold the transmitter about 6 inches from the corresponding receiver module with the IR sensor aimed at the receiver module. **NOTE: You cannot resync if more than one transmitter is broadcasting on the resync channel.**



3. Simultaneously press the two buttons (A & B) on the bottom of the corresponding receiver module to start sending the IR signal. "SYNC'ING" shows on the receiver OLED when the IR signal starts. "SYNC OK" shows when the sync is successful. Repeat the procedure if the receiver display shows "SYNC FAILED". It is not necessary to press any buttons on the transmitter during the procedure.

NOTE: The transmitter and receiver are assigned a new random 256-bit encryption key every time they are sync'ed.

Channel Parameters

Channel Name: Assign a name to each transmitter / receiver pair. The Channel Name has up to ten alphanumeric characters that show on the OLED displays and ClearOne Remote software.

Channel Number: Manually set the channel number of the transmitter and receiver pair.

Pad: Applies to beltpack transmitters only. The pad is used to attenuate hot input signals.
- Off: Sets a 0 dB pad to for most lavalier and headset microphones
- -20: Sets a -20 dB pad. Use when connecting to at musical instrument pickup.

Low Cut: Toggles a 75 Hz low-cut audio filter.
- 75: Reduces low-frequency rumble, handling noise and background noise. This is recommended for most spoken-word applications.
- Off: For must musical programs, especially when mic'ing guitars and bases.

Transmit Power: This function controls the output power of the transmitter.
- 1 mW: Use for most conference room applications where the antennas are within about 50 feet of the transmitter.
- 10 mW: Use when the antennas are 50 to 100 feet from the transmitters, or when you hear dropouts at 1 mW or 50 to 100 feet.
- 25 mW: Use when the antennas are 100 to 200 feet away from the transmitters, or to overcome antenna cable losses.
- 50 mW: Use when there are dropouts with the 25 mW power setting or for very long distances between antennas and transmitters or to overcome antenna cable loses.
- NOTE: Using higher power than necessary, especially when there is a high channel count, increases IMD and can cause dropouts. It may seem counterintuitive, but you should first try lowering the output power to solve dropouts.

Power Switch Mode: This function controls the transmitter's power switch.
- ON/OFF: Use this setting to save battery in the off position. It takes several seconds to reconnect after the transmitter is turned on.
- ON/Mute: Use this setting when you want to be able to turn the transmitter on without a delay.
- ON/ON: Use this setting to prevent the talent from inadvertently turning the transmitter off.
- ON/LOGIC MUTE: Use this setting to toggle a GPIO contact closure pin. This setting does not mute the audio outputs.

TX Control Locks: This function controls how the control buttons operate.
- On: Defeats the buttons on the transmitter and receiver. Parameters can only be changed with ClearOne Remote.
- OFF: Activates the buttons on the transmitter and receiver modules so the user can change most parameters.

Gooseneck Button Mode: This function controls how the button affects podium gooseneck microphone.
- Toggle Mute: Push the button to toggle the mute on or off
- Toggle Logic Mute: Push the button to toggle the assigned GPIO pin. This action does not mute the receiver's audio output.

- Push to Talk: Push and hold the button to talk. Otherwise the mic is muted.
- Push to Mute: Push and hold the button mute. Otherwise, the mic is open
- Push to Logic Mute: Push and hold the button to assert the assigned GPIO pin. Otherwise the pin is unasserted. This action does not mute the receiver's audio output.

Table-Top Button Mode: This function controls how the table-top button affects the table-top microphone.
- Push to Mute: Press and hold the button to mute the microphone.
- Push for Logic Mute: Press and hold fsthe button to assert the assigned GPIO pin. This action does not mute the receiver's audio output.